

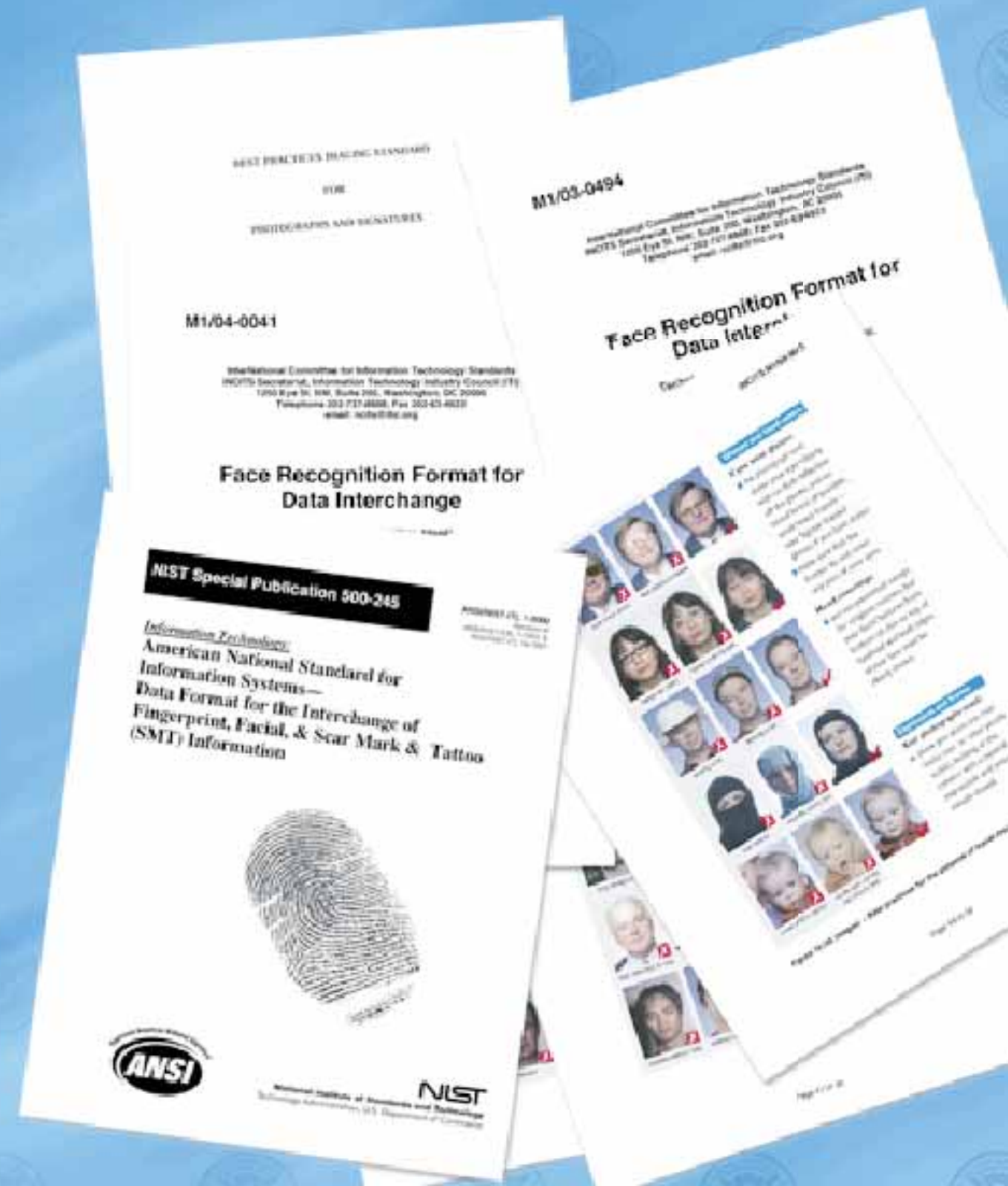
# **Digital Photography for Credentialing**





# Reviewed Existing Credentialing Standards

- Best Practices by AAMVA
- ANSI
- INCITS







# Digital Camera Testing

- Kodak
- Canon
- Nikon
- Other manufacturers







# Lighting Systems Testing

- Flash
- Incandescent
- Fluorescent
- Osram Planon







# Background Design

- Compatible with face recognition systems
- Difficult to duplicate

# Image Capture Guidelines



Attire





# Image Capture Guidelines



Attire





# Image Capture Guidelines



Attire





# Image Capture Guidelines



Hats





# Image Capture Guidelines



Glasses





# Image Capture Guidelines



Pose





# Image Capture Guidelines



Glare





# Image Capture System

- Ease of Installation
- Simple Implementation
- Low Maintenance
- Durability







# Image Capture Procedure



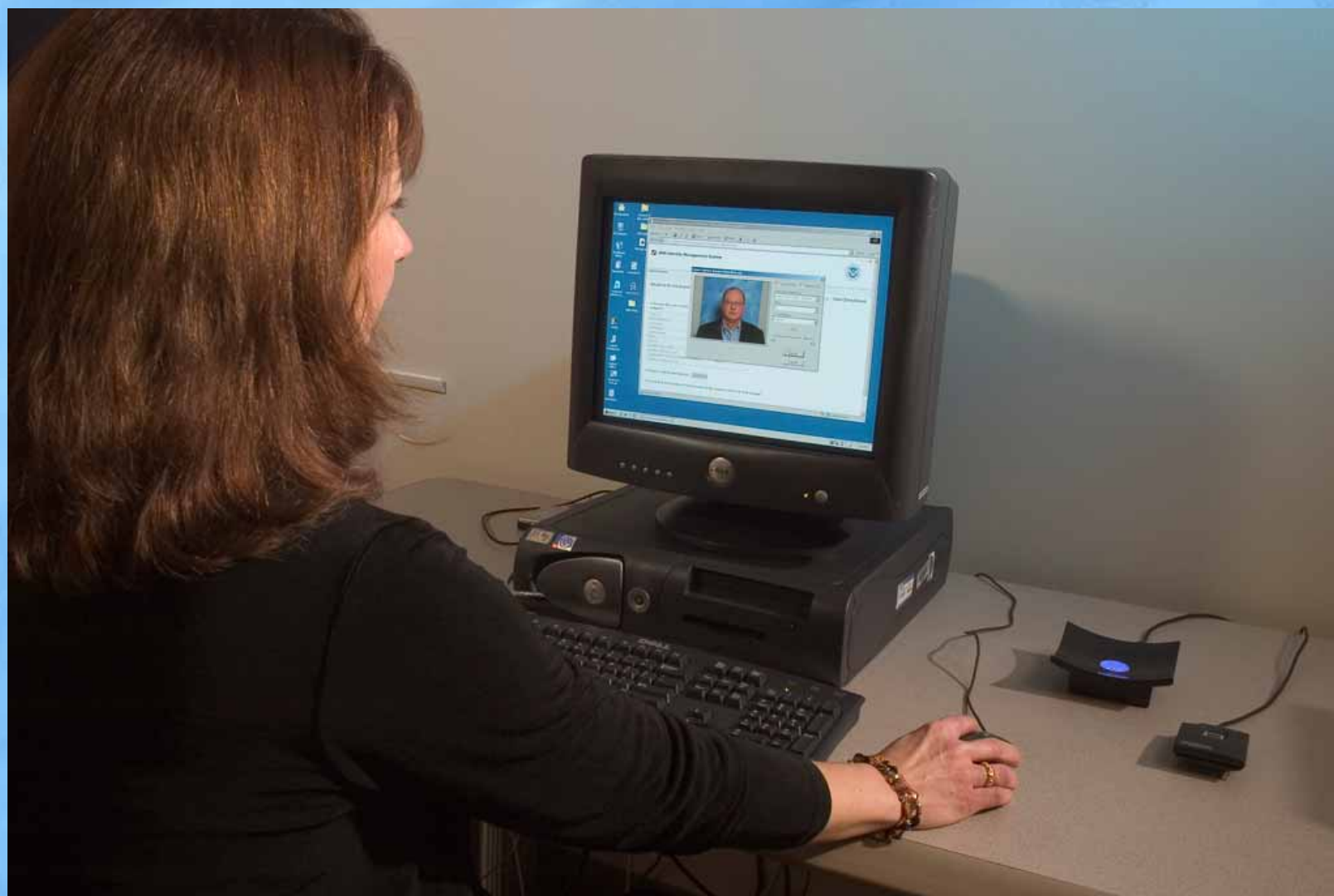
# Image Capture Procedure







# Image Capture Procedure





Applet started.





# Image Capture Procedure

Print Preview

Department of Homeland Security

User Sample

Issue Date: 2003 Nov 18  
Expiration Date: 2006 Mar 04

Contractor

DHS

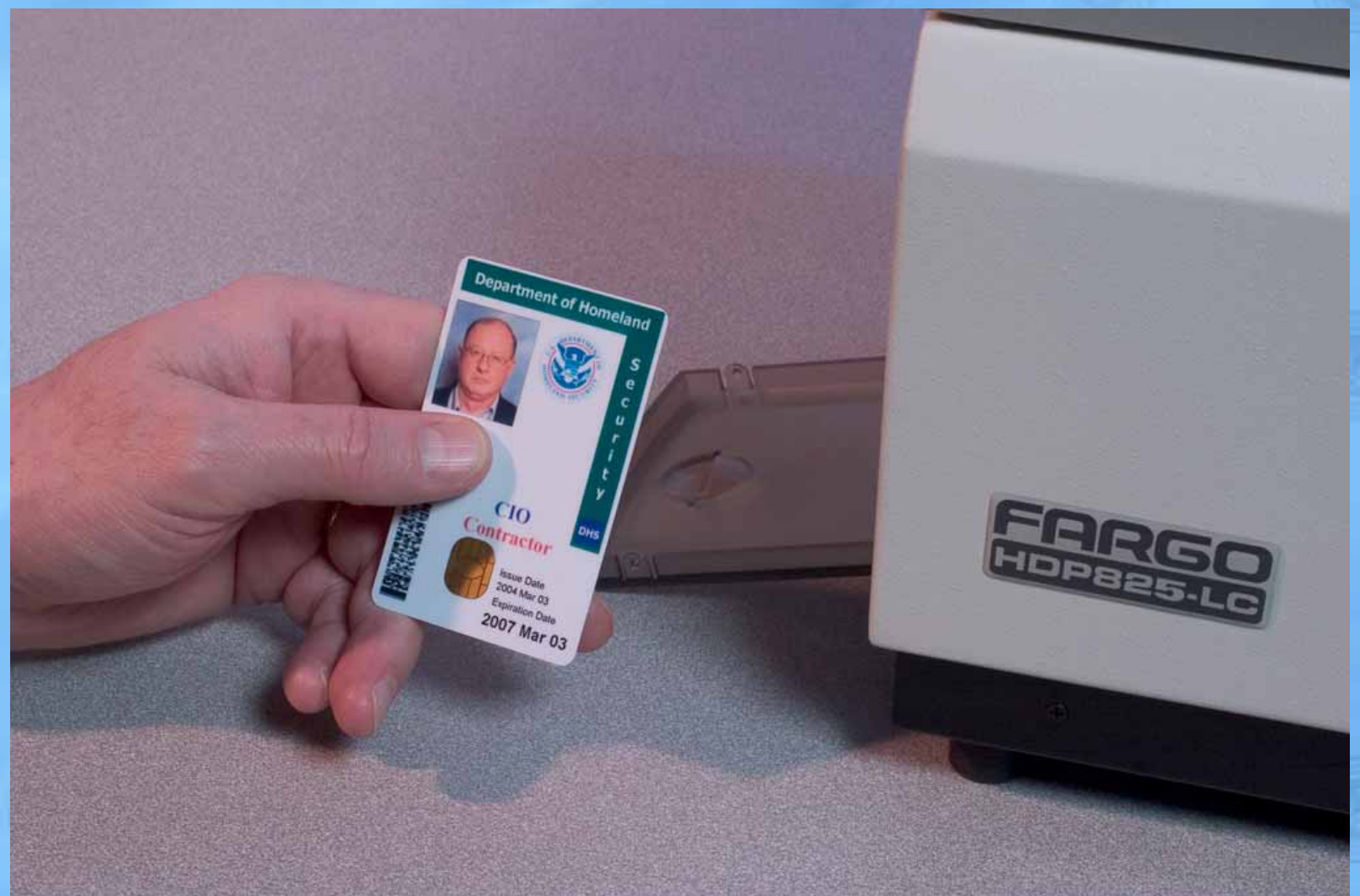
Property of the U.S. Government

Return to:  
Washington Navy Yard  
Building 411  
245 Murray Drive, SW  
Washington, DC  
20373-5824  
(Postage Guaranteed)





# Printed Smart Card







# Encoding The Biometric Template







# Encoding The Unique Identifier







# Computer Access Control







# Physical Access Control Failure





# Physical Access Control Success







# **Physical Access Control Biometric Validation**





# Secure Web Servers

